

04/14/2006 10:07 7607534563

T

PAGE 03/04

APR-14-2006(FRI) 12:22 Charmasson, Buchaca, Leach

(FAX) 6192948674

P. 002/005

PTO/SB/01 (10-05)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)Attorney Docket  
Number

060061

First Named Inventor

French, William W.

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

I hereby declare that:

Each Inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optically commutated self-rotating drive mechanism

(Title of the Invention)

the specification of which



Is attached hereto

OR



was filed on (MM/DD/YYYY)

10/15/2004

as United States Application Number or PCT International

Application Number

PCT/US2004/033891

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
PCT/US2004/033891	PCT	10/15/2004	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(Page 1 of 2)

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance completing the form, call 1-800-PTO-9199 and select option 2.

04/14/2006 10:07 7607534563

T

PAGE 04/04

APR-14-2006(FRI) 12:23 Charmasson, Buchaca, Leach

(FAX) 6192948674

P. 003/005


PTO/SB/01 (10-05)

Approved for use through 07/31/2006. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	<input checked="" type="checkbox"/> The address associated with Customer Number:	<input type="checkbox"/> OR <input type="checkbox"/> Correspondence address below	
<div>24243</div>			
Name			
Address			
City	State	ZIP	
Country	Telephone	Email	
<b>WARNING:</b> Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
William W.		French	
Inventor's Signature 		Date 4/14/06	
Residence: City	State	Country	Citizenship
Cardiff-by-the-Sea	California	USA	USA
Mailing Address			
2486 Montgomery Avenue			
City	State	Zip	Country
Cardiff-by-the-Sea	California	92007	USA
<input type="checkbox"/> Additional inventors or a legal representative are being named on the supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

PTO/SB/01 (01-08)

Approved for use through 12/31/2009. OMB 0661-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	
Filing Date	
First Named Inventor	French, William W.
Title	Optically commutated self...
Art Unit	
Examiner Name	
Attorney Docket Number	060061

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24243

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98)

**SIGNATURE of Applicant or Assignee of Record**

Signature	<i>William W. French</i>	Date	4/14/06
Name	William W. French	Telephone	760-753-4563
Title and Company	Chief Technical Officer, TurtleTech Design, Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

04/14/2006 10:07 7607534563

T

PAGE 02/04

APR-14-2006(FRI) 12:24 Charmasson, Buchaca, Leach

(FAX) 6192948674

P. 005/005

10/575972  
AP20 Rec'd PCT/PTO 14 APR 2006

PTO/SB/86 (12-05)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: TurtleTech Design, Inc.Application No./Patent No./Control No.: PCT/US2004/033891 Filed/Issue Date: \_\_\_\_\_Entitled: Optically commutated self-rotating drive mechanismTurtleTech Design, Inc.s Corporation

(Name of Assignee)

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a true copy of the original assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

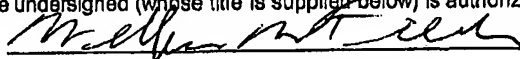
1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

William W. French

Printed or Typed Name

Chief Technical Officer, TurtleTech Design, Inc.

Title

4/14/06

Date

760-753-4563

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

AD 58140

### ASSIGNMENT OF INVENTIONS AND PATENTS

In consideration of One Dollar and other good and valuable consideration of which receipt is acknowledged, William W. French, resident of Cardiff-By-The-Sea, County of San Diego, State of California, hereinafter called Assignor, hereby sells and assigns to: TurtleTech Design, Inc. a California Corporation hereinafter called Assignee, one hundred percent (100%) of his entire undivided interest and ownership in the improvements and inventions claimed and described in each below listed Patent Application and any patent issuing therefrom and all applications for patent in any and all countries, including all divisions, continuations, reissues, and extensions thereof, all national stage entries and all rights of priority resulting from the filing of each below listed Application and authorizes without further consideration, but at the expense of said Assignee, that Assignor will communicate to said Assignee or its representatives or nominees any facts known to the Assignor respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, or declarations and generally aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said improvements and inventions in all countries.

U.S. PATENT APPLICATION SERIAL NO.	FILED	TITLE	INVENTOR
60/160,142	10/18/99	Self rotating display spherical device	William W. French
10/049,406	9/26/00	Self rotating display spherical device	William W. French
U.S. Patent No. 6,937,125, issued 8/30/05			
10/110,879	10/11/00	Frictionless self-powered moving display	William W. French
U.S. Patent No. 6,853,283, issued 2/8/05			
09/690,971	10/17/00	Solar powered magnetic support for display	William W. French
U.S. Patent No. 6,275,127, issued 8/14/01			
60/406,897	08/29/02	Cogging-free geomagnetic drive	William W. French
60/407,891	09/03/02	Compact geomagnetic drive	William W. French

60/407,890	09/03/02	Fluids for us in ball-in-ball objects	William W. French
60/412,729	09/23/02	Ball-in-block objects	William W. French
10/652,925	8/28/03	Fluid suspended self-rotating body & method	William W. French
11/027,261	12/30/04	Frictionless self-powered moving display	William W. French

U.S. Patent No. 6,952,151, issued 10/4/05

INTERNATIONAL PATENT APPLICATION SERIAL NO.	FILED	TITLE	INVENTOR
PCT/US00/26394	09/26/00	Self rotating display spherical device	William W. French
PCT/US00/28038	10/11/00	Frictionless self-powered moving display	William W. French
PCT/US03/27234	08/28/03	Fluid suspended self-rotating body and method	William W. French
PCT/US04/33891	10/15/04	Optically commutated self-rotating drive mechanism	William W. French

Executed on Jan 6, 2006 at Cavd. ff, San Diego County  
State of California.

  
Assignor: William W. French

ASSIGNMENT OF INVENTIONS AND PATENTS  
WILLIAM W. FRENCH TO TURTLETECH DESIGN, INC.

STATE OF CALIFORNIA )

)

SS.

COUNTY OF SAN DIEGO )  
-----

On January 6, 2006, before me, Linda Montes, Notary,  
personally appeared WILLIAM W. FRENCH, personally known to me (or proved to me on  
the basis of satisfactory evidence) to be the person whose name is subscribed to the within  
instrument, and acknowledged to me that he ~~or she~~ executed the same in his ~~or her~~  
authorized capacity, and that by his signature on the instrument the person, or the entity  
upon behalf of which the person, acted, executed the instrument.

WITNESS my hand and official seal.

L. Montes

